AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:

receiving, at a ~~first~~ transceiver, a beacon frame wherein said beacon frame comprises a beacon interval and wherein ~~said~~ the ~~first~~ transceiver communicates in accordance with at least a first communications protocol using a shared-communications channel;

determining a transmit opportunity on ~~said~~ the shared-communications channel wherein ~~said~~ the transmit opportunity is based on the time at which ~~said~~ the beacon frame is received and on ~~said~~ the beacon interval; and

sending a notification ~~notifying a second transceiver~~ of ~~said~~ the transmit opportunity ~~wherein said second transceiver communicates~~ in accordance with a second communications protocol using ~~said~~ the shared-communications channel.

2. (Currently Amended) The method of claim 1 further comprising powering down ~~said~~ the first transceiver after ~~said~~ determining the transmit opportunity.

3. (Currently Amended) The method of claim 1 further comprising ~~notifying said~~ sending a notification that ~~second transceiver~~ that ~~said~~ the transmit opportunity is at an end.

4. (Currently Amended) The method of claim 1 wherein ~~said first~~ the transceiver remains powered on after sending the notification of the transmit opportunity ~~said notifying~~.

5. (Currently Amended) The method of claim 1 further comprising muting a second ~~third~~ transceiver after ~~said~~ determining the transmit opportunity, wherein ~~said~~ the second ~~third~~ transceiver communicates in accordance with ~~said~~ the first communications protocol using ~~said~~ the shared-communications channel.

6. (Currently Amended) The method of claim 1 wherein ~~said~~ the transmit opportunity is ~~also~~ based on at least one request to transmit ~~being received from said second transceiver~~.

7. (Currently Amended) The method of claim 6 wherein receipt of ~~said~~ the at least one request to transmit is periodic.

8. (Currently Amended) A method comprising:

receiving at a ~~first~~ transceiver a first beacon frame wherein ~~said~~ the ~~first~~ transceiver communicates in accordance with a first communications protocol using a shared-communications channel;

determining a transmit opportunity on ~~said~~ the shared-communications channel;

sending a notification ~~notifying a second transceiver~~ of ~~said~~ the transmit opportunity ~~wherein said second transceiver communicates~~ in accordance with a second communications protocol using ~~said~~ the shared-communications channel; and

powering down ~~said~~ the ~~first~~ transceiver ~~wherein said powering down is dependent on the~~ based on a time remaining before receiving a second beacon frame.

9. (Currently Amended) The method of claim 8 wherein ~~said~~ the first beacon frame comprises a beacon interval and wherein ~~said~~ the transmit opportunity is based on ~~the~~ a reception time ~~at which said~~ of the first beacon frame ~~is received~~ and ~~on said~~ the beacon interval.

10. (Currently Amended) The method of claim 8 wherein ~~said~~ the powering down is ~~also dependent on the~~ is based on a time ~~it takes said~~ taken by the transceiver to recover from leaving a power down state.

11. (Currently Amended) The method of claim 8 further comprising ~~notifying said second transceiver~~ sending a notification that ~~said~~ the transmit opportunity is at an end.

12. (Currently Amended) The method of claim 8 further comprising sending an indication to mute ~~muting~~ a ~~third~~ transceiver ~~after said determining wherein said third transceiver communicates~~ in accordance with ~~said~~ the first communications protocol using ~~said~~ the shared-communications channel.

13. (Currently Amended) The method of claim 8 wherein ~~said~~ the transmit opportunity is ~~also~~ based on at least one request to transmit ~~being received from said second transceiver~~.

14. (Currently Amended) The method of claim 13 wherein receipt of ~~said~~ the at least one request to transmit is periodic.

15. (Currently Amended) An apparatus comprising:

a first air interface subsystem comprising:

[[(1)]] a receiver for receiving a beacon frame in accordance with a first communications protocol using a shared-communications channel wherein ~~said~~ the beacon frame comprises a beacon interval;

[[(2)]] a processor for determining a transmit opportunity on ~~said~~ the shared-communications channel wherein ~~said~~ the transmit opportunity is based on the time at which ~~said~~ the beacon frame is received and on ~~said~~ the beacon interval; and

[[(3)]] an interface for notifying a second air interface subsystem of ~~said~~ the transmit opportunity~~; and said~~, wherein the second air interface subsystem ~~comprising~~ comprises a first transmitter, wherein ~~said~~ the first transmitter communicates in accordance with a second communications protocol using ~~said~~ the shared-communications channel[[;]], and wherein ~~said~~ the first air interface subsystem and ~~said~~ the second air interface subsystem are associated with the same host computer.

16. (Currently Amended) The apparatus of claim 15 further comprising a second transmitter wherein ~~said~~ the second transmitter communicates in accordance with ~~said~~ the first communications protocol using ~~said~~ the shared-communications channel.

17. (Currently Amended) The apparatus of claim 16 wherein at least one of ~~said~~ the receiver and ~~said~~ the second transmitter powers down after ~~said~~ the processor determines ~~said~~ the transmit opportunity.

18. (Currently Amended) The apparatus of claim 16 wherein ~~said~~ the receiver and ~~said~~ the second transmitter remain powered on after ~~said~~ the interface notifies ~~said~~ the second air interface subsystem.

19. (Currently Amended) The apparatus of claim 15 wherein ~~said~~ the transmit opportunity is also based on at least one request to transmit being received from ~~said~~ the second air interface subsystem.

20. (Currently Amended) An apparatus comprising:

a station comprising:

[[(1)]] a first air interface subsystem for:

[[(a)]] transmitting a first data block in accordance with a first communications protocol using a shared-communications channel[[;]],

[[(b)]] receiving a beacon frame[[;]], and

[[(c)]] determining a transmit opportunity on ~~said~~ the shared-communications channel wherein ~~said~~ the transmit opportunity is based on ~~said~~ the beacon frame; and

[[(**2**)]] a second air interface subsystem for transmitting a second data block in accordance with a second communications protocol using ~~said~~ the shared-communications channel; and

a host computer for:

[[(1)]] providing ~~said~~ the first-data block to ~~said~~ the first air interface subsystem; and

[[(2)]] providing ~~said~~ the second data block to ~~said~~ the second air interface subsystem.

21. (Currently Amended) The apparatus of claim 20 wherein ~~said~~ the beacon frame comprises a beacon interval and wherein ~~said~~ the transmit opportunity is also based on the time at which ~~said~~ the first beacon frame is received and on ~~said~~ the beacon interval.